

Converting Colors

XYZ(41.6788, 30.5758, 5.1438)

Have a look what the booklet for
XYZ(41.6788, 30.5758, 5.1438)
contains.

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Color

**XYZ(41.6651, 30.5484,
5.1393)**

Conversions

Conversions Part 1

Format	Color
Hex	EE7321
RGB	238, 115, 33
RGB Percent	93%, 45%, 13%
CMY	0.0667, 0.5490, 0.8706
CMYK	0.00, 0.52, 0.86, 0.07
HSL	24°, 86%, 53%
HSV	24°, 86%, 93%
XYZ	41.6651, 30.5484, 5.1393
YIQ	142.4290, 99.6300, 0.5740

Conversions

Conversions Part 2

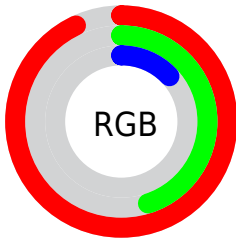
Format	Color
R _{YB}	238, 170, 33
Decimal	15627041
CIE Lab	62.12, 43.08, 62.42
CIE LCh	62, 75.841, 55.388
Yxy	30.5484, 0.5386, 0.3949
Android (android.graphics.Color)	4293817121 (0xFFEE7321)
YUV	142.4290, -53.9485, 83.8158
Hunter-Lab	55.2706, 37.8366, 33.1764

Details

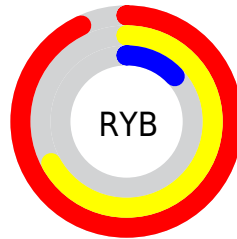
The XYZ color **41.6651, 30.5484, 5.1393** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.9473, 30.2714, 85.2582**, and the grayscale version is **26.0621, 27.4194, 29.8597**.

A 20% lighter version of the original color is **57.1483, 50.3241, 15.7183**, and **19.4567, 12.6690, 1.4199** is the 20% darker color. If you saturate the color by 10%, you get **39.9374, 27.4519, 3.4581**, and if you desaturate by 10%, it is **43.8813, 34.2467, 8.1427**.

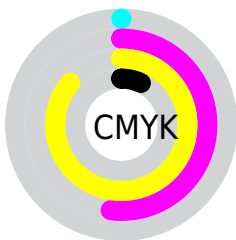
Distribution



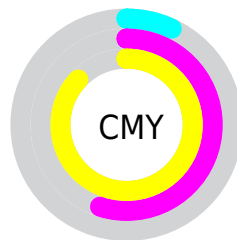
- Red (93%)
- Green (45%)
- Blue (13%)



- Red (93%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6651, 30.5484, 5.1393 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.6651, 30.5484, 5.1393 by changing the saturation by 10% instead.


 41.6651, 30.5484,
5.1393


 41.6651, 30.5484,
5.1393


344.1081,
304.4524, 160.1530

 29.0291, 20.2552,
2.2691


 76.9609, 60.5284,
16.5621

 19.2472, 12.5807,
0.7138


 100.3513, 80.9839,
25.9517

 11.9541, 7.1405,
0.0000


 128.0574,
105.5957, 38.3516

 6.7844, 3.5501,
0.0000

 160.4443,
134.7482, 54.1802

 3.3728, 1.4252,
0.0000

 197.8775,
168.8257, 73.8561

 1.3538, 0.2352,
0.0000

 240.7223,

 0.2230, 0.0000,

208.2126, 97.7979

0.0000

289.3440,
253.2934, 126.4240

■ 0.0000, 0.0000,
0.0000

■ 41.6651, 30.5484,
5.1393

■ 41.6651, 30.5484,
5.1393

■ 39.9374, 27.4519,
3.4581

■ 43.8813, 34.2467,
8.1427


■ 39.3704, 26.3987,
3.0204


■ 46.6376, 38.5805,
12.6955


■ 49.9793, 43.5857,
18.9830


■ 53.9455, 49.2934,
27.1635

■ 58.5714, 55.7323,
37.3774

 63.8894, 62.9295,
49.7513

 69.9294, 70.9103,
64.4018

 76.7194, 79.6989,
81.4368

 84.2860, 89.3182,
100.9574

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.6095, 30.5484, 14.5205



41.6651, 30.5484, 5.1393



30.6416, 30.5484, 2.8098

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.6651, 30.5484, 5.1393



13.5422, 30.5484, 28.9456



38.2847, 30.5484, 114.2181

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



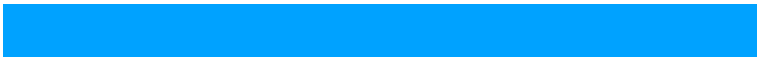
41.6651, 30.5484, 5.1393



27.9473, 30.2714, 85.2582

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.4862, 30.5484, 126.5745



41.6651, 30.5484, 5.1393



14.6735, 30.5484, 63.6337

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.6651, 30.5484, 5.1393



15.6973, 30.5484, 10.4668



19.2567, 30.5484, 104.2405



48.3590, 30.5484, 76.4708

Rectangle

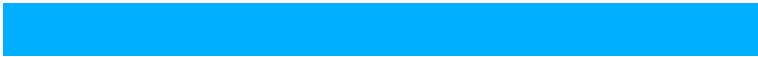
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6651, 30.5484, 5.1393



24.1346, 30.5484, 3.1775



19.2567, 30.5484, 104.2405



34.5583, 30.5484, 122.1611

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.6658, 30.5501, 5.1398



74.7498, 73.6352, 58.2468



41.8043, 21.6652, 33.4313



15.5163, 15.1123, 11.3263



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6658, 30.5501, 5.1398



45.9921, 30.7643, 3.5140



60.4759, 68.1704, 11.4099



16.2917, 16.7966, 16.5331



22.0834, 14.9649, 1.7246



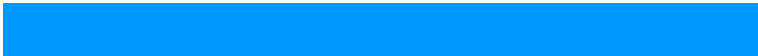
1.9319, 1.4345, 0.1751

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9473, 30.2714, 85.2582



29.4399, 29.9999, 98.8466



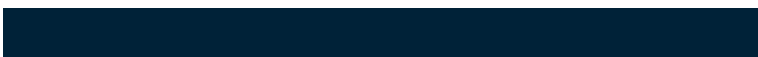
17.3559, 9.0887, 81.7277



15.6861, 16.8063, 20.1388



14.2024, 14.6291, 47.2030



1.2786, 1.4111, 3.9592

Previews

White Background



This preview shows how the XYZ color 41.6651, 30.5484, 5.1393 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.6651, 30.5484, 5.1393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6651, 30.5484, 5.1393

Background



This preview shows how black text looks on a background with the XYZ color 41.6651, 30.5484, 5.1393.



This preview shows how white text looks on a background with the XYZ color 41.6651, 30.5484,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.6651, 30.5484, 5.1393

Protanopia

27.8467, 30.7354, 6.6553

Deuteranopia

31.1369, 30.6238, 4.6854



Tritanopia

44.6278, 30.4540, 19.7457

Trichromacy



Original Color

41.6651, 30.5484, 5.1393

Protanomaly

31.7028, 29.7928, 5.9991

Deuteranomaly

34.2550, 30.0946, 4.7129

Tritanomaly

43.1508, 30.3330, 12.1749

Monochromacy



Original Color

41.6651, 30.5484, 5.1393

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.7810, 26.8089, 16.2281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6651, 30.5484, 5.1393 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 115, 33)` looks like.

```
.text, #text, p{  
    color:rgb(238, 115, 33)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 115, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 115, 33) }
```

Border

The CSS property to change the border of an element to XYZ 41.6651, 30.5484, 5.1393 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 115, 33) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 115, 33) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 115, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 115, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 115, 33);  
box-shadow:4px 4px 4px 4px rgb(238, 115,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6651, 30.5484, 5.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 115, 33) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
115, 33) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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